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#14

## RAW SEQUENCE LISTING

DATE: 04/21/2003

PATENT APPLICATION: US/09/914,612A

TIME: 15:04:18

Input Set : A:\#729950 v1 - 4137-5 Sequence Listing.txt

Output Set: N:\CRF4\04212003\I914612A.raw

3 <110> APPLICANT: O'Brien-simpson, Neil M.  
 4 Reynolds, Eric C.  
 6 <120> TITLE OF INVENTION: SYNTHETIC PEPTIDES CONTAINING PROTECTIVE EPITOPES FOR  
 7 THE TREATMENT AND PREVENTION OF PERIODONTITIS  
 8 ASSOCIATED WITH PORPHYROMONAS GINGIVALIS  
 10 <130> FILE REFERENCE: O'brien-simpson  
 12 <140> CURRENT APPLICATION NUMBER: 09/914,612A  
 C--> 13 <141> CURRENT FILING DATE: 2002-01-11  
 15 <150> PRIOR APPLICATION NUMBER: PP 5939  
 16 <151> PRIOR FILING DATE: 1999-03-01  
 18 <150> PRIOR APPLICATION NUMBER: PCT/AU00/00142  
 19 <151> PRIOR FILING DATE: 2000-03-01  
 21 <160> NUMBER OF SEQ ID NOS: 33  
 23 <170> SOFTWARE: PatentIn Ver. 2.1  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 27  
 27 <212> TYPE: PRT  
 28 <213> ORGANISM: Porphyromonas gingivalis  
 30 <400> SEQUENCE: 1  
 31 Phe Leu Leu Asp Ala Asp His Asn Thr Phe Gly Ser Val Ile Pro Ala  
 32 1 5 10 15  
 34 Thr Gly Pro Leu Phe Thr Gly Thr Ala Ser Ser  
 35 20 25  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 27  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Porphyromonas gingivalis  
 43 <400> SEQUENCE: 2  
 44 Leu Tyr Ser Ala Asn Phe Glu Ser Leu Ile Pro Ala Asn Ala Asp Pro  
 45 1 5 10 15  
 47 Val Val Thr Thr Gln Asn Ile Ile Val Thr Gly  
 48 20 25  
 51 <210> SEQ ID NO: 3  
 52 <211> LENGTH: 27  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Porphyromonas gingivalis  
 56 <400> SEQUENCE: 3  
 57 Leu Tyr Ser Ala Asn Phe Glu Tyr Leu Ile Pro Ala Asn Ala Asp Pro  
 58 1 5 10 15  
 60 Val Val Thr Thr Gln Asn Ile Ile Val Thr Gly  
 61 20 25  
 64 <210> SEQ ID NO: 4  
 65 <211> LENGTH: 20

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66 <212> TYPE: PRT
67 <213> ORGANISM: Porphyromonas gingivalis
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73 Gly Asn Gln Pro
74           20
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83 Arg Tyr Asp Asp Phe Thr Phe Glu Ala Gly Lys Lys Tyr Thr Phe Thr
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87           20               25
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 25
92 <212> TYPE: PRT
93 <213> ORGANISM: Porphyromonas gingivalis
95 <400> SEQUENCE: 6
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99 Lys Met Gly Ser Gly Asp Gly Thr Glu
100           20               25
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109 Thr Asn Pro Glu Pro Ala Ser Gly Lys Met Trp Ile Ala Gly Asp Gly
110   1                               5               10               15
112 Gly Asn Gln Pro Ala Arg Tyr Asp Asp Phe Thr Phe Glu Ala Gly Lys
113           20               25               30
115 Lys Tyr Thr Phe Thr Met Arg Arg Ala Gly Met Gly Asp Gly Thr Asp
116           35               40               45
122 <210> SEQ ID NO: 8
123 <211> LENGTH: 13
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128 Asn Thr Phe Gly Ser Val Ile Pro Ala Thr Gly Pro Leu
129   1                               5               10
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134 <212> TYPE: PRT
135 <213> ORGANISM: Porphyromonas gingivalis
137 <400> SEQUENCE: 9
138 Pro Ala Ser Gly Lys Met Trp Ile Ala Gly Asp Gly

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163 <211> LENGTH: 148
164 <212> TYPE: PRT
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167 <400> SEQUENCE: 12
168 Ala Asn Glu Ala Lys Val Val Leu Ala Ala Asp Asn Val Trp Asp Gly
169 1 5 10 15
171 Asn Thr Gly Tyr Gln Phe Leu Leu Asp Ala Asp His Asn Thr Phe Gly
172 20 25 30
174 Ser Val Ile Pro Ala Thr Gly Pro Leu Phe Thr Gly Thr Ala Ser Ser
175 35 40 45
177 Asp Leu Tyr Ser Ala Asn Phe Glu Ser Leu Ile Pro Ala Asn Ala Asp
178 50 55 60
180 Pro Val Val Thr Thr Gln Asn Ile Ile Val Thr Gly Gln Gly Glu Val
181 65 70 75 80
183 Val Ile Pro Gly Gly Val Tyr Asp Tyr Cys Ile Thr Asn Pro Glu Pro
184 85 90 95
186 Ala Ser Gly Lys Met Trp Ile Ala Gly Asp Gly Gly Asn Gln Pro Ala
187 100 105 110
189 Arg Tyr Asp Asp Phe Thr Phe Glu Ala Gly Lys Lys Tyr Thr Phe Thr
190 115 120 125
192 Met Arg Arg Ala Gly Met Gly Asp Gly Thr Asp Met Glu Val Glu Asp
193 130 135 140
195 Asp Ser Pro Ala
196 145
199 <210> SEQ ID NO: 13
200 <211> LENGTH: 13
201 <212> TYPE: PRT
202 <213> ORGANISM: Porphyromonas gingivalis
204 <400> SEQUENCE: 13
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206 1 5 10
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 13

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211 <212> TYPE: PRT  
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215 Leu Ala Ala Asp Asn Val Trp Asp Gly Asn Thr Gly Tyr  
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221 <212> TYPE: PRT  
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230 <211> LENGTH: 13  
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232 <213> ORGANISM: Porphyromonas gingivalis  
234 <400> SEQUENCE: 16  
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236 1 5 10  
239 <210> SEQ ID NO: 17  
240 <211> LENGTH: 13  
241 <212> TYPE: PRT  
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245 Asn Thr Phe Gly Ser Val Ile Pro Ala Thr Gly Pro Leu  
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249 <210> SEQ ID NO: 18  
250 <211> LENGTH: 13  
251 <212> TYPE: PRT  
252 <213> ORGANISM: Porphyromonas gingivalis  
254 <400> SEQUENCE: 18  
255 Pro Ala Thr Gly Pro Leu Phe Thr Gly Thr Ala Ser Ser  
256 1 5 10  
259 <210> SEQ ID NO: 19  
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261 <212> TYPE: PRT  
262 <213> ORGANISM: Porphyromonas gingivalis  
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265 Thr Gly Thr Ala Ser Ser Asp Leu Tyr Ser Ala Asn Phe  
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271 <212> TYPE: PRT  
272 <213> ORGANISM: Porphyromonas gingivalis  
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275 Leu Tyr Ser Ala Asn Phe Glu Ser Leu Ile Pro Ala Asn  
276 1 5 10  
279 <210> SEQ ID NO: 21  
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Input Set : A:\#729950 v1 - 4137-5 Sequence Listing.txt

Output Set: N:\CRF4\04212003\I914612A.raw

281 <212> TYPE: PRT  
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285 Ser Leu Ile Pro Ala Asn Ala Asp Pro Val Val Thr Thr  
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291 <212> TYPE: PRT  
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295 Asp Pro Val Val Thr Thr Gln Asn Ile Ile Val Thr Gly  
296 1 5 10  
299 <210> SEQ ID NO: 23  
300 <211> LENGTH: 13  
301 <212> TYPE: PRT  
302 <213> ORGANISM: Porphyromonas gingivalis  
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306 1 5 10  
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311 <212> TYPE: PRT  
312 <213> ORGANISM: Porphyromonas gingivalis  
314 <400> SEQUENCE: 24  
315 Gly Glu Val Val Ile Pro Gly Gly Val Tyr Asp Tyr Cys  
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331 <212> TYPE: PRT  
332 <213> ORGANISM: Porphyromonas gingivalis  
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339 <210> SEQ ID NO: 27  
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341 <212> TYPE: PRT  
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344 <400> SEQUENCE: 27  
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/914,612A

DATE: 04/21/2003

TIME: 15:04:19

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Output Set: N:\CRF4\04212003\I914612A.raw

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